23-2008 16:03 PEPPER HAMILTON LLP 610 640 7835 P.02 Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE-FEE MAY 9. 3 2008 Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 or Fax (571)-273-2885

In Section 2015

This form should be used for transmitting the ISSUE FEB and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

Note: A cartificate of mailing can only be used for domestic mainings of the Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I the any change of address) 02/25/2008 7590 52286 Certificate of Mailing or Transmission I hereby certify that this Pee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being faceimile transmitted to the USPTO (571) 273-2885, on the date indicated below. Pepper Hamilton LLP 400 Berwyn Park 899 Cassatt Road Berwyn, PA 19312-1183 (Denositor's name) Legaard, Ph.D. 05/27/2008 HVUONG2 00000007 10599463 (Signature) 300.00 OP 01 FC:1504 02 FC:1501 (Date) 2006 1440.00 DP FILING DATE FIRST NAMED INVENTOR CONFIRMATION NO. FL: APPLICATION NO. ATTORNEY DOCKET NO. 9391 133087.12401(101419-1PUS) Vahak Abedi 10/599,463 09/29/2006 TITLE OF INVENTION: CHEMICAL PROCESS PREV. PAID ISSUE FEE TOTAL FEE(5) DUE DATE DUB ISSUE FER DUR PUBLICATION FEB DUE APPLN. TYPE SMALL BNTITY 05/27/2003 \$1740 NO \$300 \$0 \$1440 nonprovisional CLASS-SUBCLASS EXAMINER ART UNIT 549-438000 CHANDRAKUMAR, NIZAL S 1625 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list Pepper Hamilton LLP (1) the names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. "For Address" indication (or "For Address" Indication form PTO/SB/47: Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE Sodertalie, Sweden AstraZeneca AB Please check the appropriate assignce category or categories (will not be printed on the patent) : 🔲 Individual 🍑 Corporation or other private group entity 🚨 Government 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: A check is enclosed. XX lssuc Fee XX Payment by credit card. Form PTO-2038 is attached. Publication Foo (No small entity discount permitted) The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-0436 (enclose an extra copy of this form). Advance Order - # of Copies 5. Change in Entity Status (from status indicated above) □ b. Applicant is no longer claiming SMALL ENTITY states. See 37 CPR 1.27(g)(2). a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant: a registered attempt or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 27 CFR 1.311. The information is required to obtain or optain a benefit by the public which is to fite (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FERS OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Dato May 23, 2008

Registration No. 38,534

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Legaard, Ph.D.

Authorized Signature

Typed or printed name Paul K.

ا ب						
			PEPPER HAMILTON LLP PART B - FEE(S) TRAN		610 640 78	335 P.03
Complete and Set	d this form, togeth	ner with applicable	,	Commissioner 10 P.O. Box 1450	r Patents	
\Z	1		or <u>Fax</u>	Alexandria, Virg (571)-273-2885		
INSTANTANT DISTANTANT DISTANTANT DISTANTANT DISTANTANTANTANTANTANTANTANTANTANTANTANTANT	og nesow or enrected our	or transmitting the ISSU g the Patent, advance or erwise in Block 1, by (s	i) specifying a new co	attesbotternor agmess	nired). Blocks I through 5 s will be mailed to the current; and/or (b) indicating a sep	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Black I for any change of address				Fec(s) Transmittal. The papers. Each addition:	mailing can only be used for its conflicate cannot be used at paper, such as an assignment of mailing or transmission.	for any other accompanying
52266	7.590 02/23	2008		Cer	· rtificate of Mailing or Trans	aoleelmi
Pepper Hamilton LLP I hareby 400 Berwyn Park States Pt 899 Cassatt Road ransmix					nis Pec(s) Transmittal is bein with sufficient postage for fir I Stop ISSUE FEE address PTO (571) 273-2885, on the	g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
Berwyn, PA 193	<del></del>					(Depositor's name)
				Tadi K. Degatta, This		(Signature)
				May 23, 200	Vic	(Daic)
<u></u>	<del></del>	<del></del>				
APPLICATION NO.	FILING DATE		PIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,463 09/29/2006			Vahak Abodi		133087.12401(101419-1PUS	9391
TITLE OF INVENTION	: CHEMICAL PROCES	•				
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FER D	UE PREV. PAID ISSU	E FEE TOTAL FEE(S) DUE	DATE DUE
nonprovisional	МО	\$1440	\$300	50	\$1740	05/27/2008
EXAMINER		ART UNIT	CLASS-SUBCLASS			
CHANDRAKU	MAR, NIZAL S	1625	549-438000			
1. Change of corresponds CFR 1.363).	ence address or indication	n of "Fee Address" (37	2. For printing on the patent front page, list (1) the pages of up to 3 registered retent attempts 1 Pepper Hamilton LLP			
Change of correspondence address for Change of Correspondence			(1) the names of up to 3 registered patent attornoys or agents OR, alternatively,			
Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer			(2) the name of a single firm (having as a member a registered attempt or agent) and the names of up to 2 registered patent attempts or agents. If no name is 3			
Number is required. listed, no name will be printed.						
3. ASSIGNEE NAME AS PLEASE NOTE: Unit recordation as set forti					nee is identified below, the c	iocument has been filed for
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)						
AstraZ	Geneca AB		Sodertalje, Sweden			
Please check the appropri	ate assignee cutegory or	categories (will not be pr	inted on the patent):	☐ Individual <b>전</b> C	orporation or other private gr	oup entity Government
4a. The following fee(s) a	ne submitted:	4)	o. Payment of Fee(s): (		ny previously paid issue fee	shown above)
XII Publication Fee (No small entity discount permitted)			EX Payment by credit card. Form PTO-2038 is attached.			
Advance Order - #			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-0436 (enclose an extra copy of this form).			
5. Change in Entity Stat	us (from status indicated			<del>-                                    </del>	LL ENTITY status. Sec 37 C	
	Publication Fee (if requ	ired) will not be accepted	d from anyone other th	- <del>-</del>	istered attorney or agent; or il	

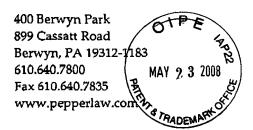
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Fatents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Dute May 23, 2008

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Authorized Signature

## Pepper Hamilton LLP



## FAX INFORMATION SHEET

Date:

May 23, 2008

ID Number:

63194

Recipient's Name **ISSUE FEE BRANCH**  **Company** 

General Number **GROUP ART** 

Fax Number

UNITED STATES PATENT AND TRADEMARK OFFICE

**UNIT: 1625** 

571.273.2885

Sender:

Lisa Machado for Paul K. Legaard, Ph.D.

Sender's Direct Line:

610.640.5415

Sender's Email Address:

machadol@pepperlaw.com

Client Matter Number:

133087.12401

Total Pages Including Cover:

05

Comments: RE: OFFICIAL FAX - APPLICATION NO. 10/599,463

FILED: SEPTEMBER 29, 2006

## **ENCLOSED FOR FILING, PLEASE FIND:**

-Form PTOL-85 (Issue Fee Transmittal) (submitted in duplicate); and -Form PTO-2038 (submitted in duplicate).

An original or a copy has [ ] or has not [ o] been sent to you by mail [ ] or by overnight service [ ] or by email [ ].

• • If total pages are not received, or an error occurred during this transmission, please call the sender at the direct line listed above. ...

## ◆ CONFIDENTIALITY NOTE • •

The documents accompanying this facsimile transmission contain information from the law firm of Popper Hamilton LLP which is confidential and/or legally privileged. The information is intended only for the use of the inclividual or unity named on this transmission sheet. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this faxed Information is strictly prohibited, and that the documents should be returned to this Firm immediately. In this regard, if you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the return of the original documents to us at no cost to you.

Operator's Use Only

Start Time:

am [ ] pm [ ]

End Time:

am [ ]pm [ ]

Operator: